

Title (en)  
PROCESSES FOR ANALYTE DETECTION AND QUANTIFICATION

Title (de)  
VERFAHREN ZUR ANALYTERKENNUNG UND QUANTIFIZIERUNG

Title (fr)  
PROCÉDÉS POUR LA DÉTECTION ET LA QUANTIFICATION D'ANALYTE

Publication  
**EP 2366797 A1 20110921 (EN)**

Application  
**EP 10182825 A 20020701**

Previously filed application  
02014087 20020701 EP

Priority  
• EP 02014087 A 20020701  
• US 89689701 A 20010630

Abstract (en)  
This invention provides novel compositions and processes for analyte detection, quantification and amplification. Nucleic acid arrays and libraries of analytes are usefully incorporated into such compositions and processes. Universal detection elements, signaling entities and the like are employed to detect and if necessary or desirable, to quantify analytes. Amplification of target analytes are also provided by the compositions and processes of this invention.

IPC 8 full level  
**C07H 21/00** (2006.01); **C07K 17/02** (2006.01); **C12M 1/00** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/00** (2006.01); **C12Q 1/68** (2006.01); **C40B 40/02** (2006.01); **C40B 50/06** (2006.01); **G01N 33/53** (2006.01); **G01N 33/58** (2006.01); **G01N 37/00** (2006.01); **C07B 61/00** (2006.01)

CPC (source: EP US)  
**B01J 19/0046** (2013.01 - US); **C07H 21/00** (2013.01 - EP US); **C12N 15/1006** (2013.01 - EP US); **C12N 15/1058** (2013.01 - EP US); **C12Q 1/68** (2013.01 - EP US); **C12Q 1/6809** (2013.01 - EP US); **C12Q 1/6825** (2013.01 - US); **C12Q 1/6837** (2013.01 - EP US); **C40B 40/06** (2013.01 - US); **C40B 40/10** (2013.01 - US); **G01N 33/68** (2013.01 - US); **B01J 2219/00599** (2013.01 - EP US); **B01J 2219/0061** (2013.01 - EP US); **B01J 2219/00612** (2013.01 - EP US); **B01J 2219/00648** (2013.01 - EP US); **B01J 2219/00722** (2013.01 - EP US); **B01J 2219/00725** (2013.01 - EP US); **C07B 2200/11** (2013.01 - EP US); **C40B 40/00** (2013.01 - EP US)

Citation (search report)  
• [X] US 6103474 A 20000815 - DELLINGER DOUGLAS J [US], et al  
• [Y] WO 0060124 A2 20001012 - UNIV YALE [US]  
• [Y] WO 8403520 A1 19840913 - BLAIR MALCOLM A D, et al  
• [Y] WHITE S R ET AL: "Signal amplification system for DNA hybridization assays based on in vitro expression of a DNA label encoding apoaerugin", NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 27, no. 19, 1 January 1999 (1999-01-01), pages I - VIII, XP002967866, ISSN: 0305-1048, DOI: 10.1093/NAR/27.19.E25

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1275737 A2 20030115**; **EP 1275737 A3 20040121**; **EP 1275737 B1 20130904**; CA 2390141 A1 20021230; CA 2390141 C 20110104; CA 2714119 A1 20021230; CA 2714119 C 20141202; CA 2841389 A1 20021230; CA 2841389 C 20190409; CA 2841397 A1 20021230; CA 2841397 C 20190709; EP 2360273 A1 20110824; EP 2360274 A1 20110824; EP 2361992 A1 20110831; EP 2361992 B1 20161005; EP 2366797 A1 20110921; EP 2366797 B1 20170906; EP 3208346 A1 20170823; IL 150226 A0 20021201; IL 150226 A 20110228; IL 201150 A 20140130; IL 201151 A 20120229; IL 210619 A0 20110331; IL 210619 A 20120229; IL 210620 A0 20110331; IL 210620 A 20120229; IL 210621 A0 20110331; IL 210621 A 20120229; IL 210622 A0 20110731; IL 210622 A 20120229; IL 210623 A0 20110331; IL 210623 A 20120229; IL 210624 A0 20110331; IL 210624 A 20120229; IL 210625 A0 20110331; IL 210625 A 20120229; IL 210626 A0 20110331; IL 210626 A 20120329; IL 210627 A0 20110331; IL 210627 A 20120329; IL 210628 A0 20110331; IL 210628 A 20120329; IL 210629 A0 20110331; IL 210629 A 20120329; IL 210630 A0 20110331; IL 210630 A 20120329; IL 210631 A0 20110331; IL 210631 A 20120329; IL 210632 A0 20110331; IL 210632 A 20120329; IL 210633 A0 20110331; IL 210633 A 20120329; IL 210634 A0 20110331; IL 210634 A 20120329; IL 210635 A0 20110331; IL 210635 A 20120329; IL 210636 A0 20110331; IL 210636 A 20120329; IL 210637 A0 20110331; IL 210637 A 20120329; JP 2003088390 A 20030325; JP 2008017853 A 20080131; JP 2009112317 A 20090528; US 2004161741 A1 20040819; US 2005009077 A1 20050113; US 2005170370 A1 20050804; US 2005202455 A1 20050915; US 2005202456 A1 20050915; US 2005214784 A1 20050929; US 2005233343 A1 20051020; US 2006014156 A1 20060119; US 2006035238 A1 20060216; US 2006040270 A1 20060223; US 2006040271 A1 20060223; US 2006040272 A1 20060223; US 2006057583 A1 20060316; US 2006099601 A1 20060511; US 2006172310 A1 20060803; US 2006257906 A1 20061116; US 2007196828 A1 20070823; US 2009042733 A1 20090212; US 2014100132 A1 20140410; US 2015368698 A1 20151224; US 2015368699 A1 20151224; US 2015368700 A1 20151224; US 2015376606 A1 20151231; US 2015376688 A1 20151231; US 2016032372 A1 20160204; US 2016186246 A1 20160630; US 2016194693 A1 20160707; US 2016208320 A1 20160721; US 2017051341 A1 20170223; US 7807352 B2 20101005; US 8557522 B2 20131015; US 8597888 B2 20131203; US 9057100 B2 20150616; US 9163280 B2 20151020; US 9234234 B2 20160112; US 9234235 B2 20160112; US 9279147 B2 20160308; US 9309563 B2 20160412; US 9428797 B2 20160830; US 9434984 B2 20160906; US 9487821 B2 20161108; US 9528146 B2 20161227; US 9611508 B2 20170404; US 9617584 B2 20170411; US 9617585 B2 20170411; US 9637778 B2 20170502; US 9650666 B2 20170516; US 9745619 B2 20170829; US 9765387 B2 20170919; US 9771667 B2 20170926; US 9777406 B2 20171003; US 9790621 B2 20171017; US 9873956 B2 20180123

DOCDB simple family (application)  
**EP 02014087 A 20020701**; CA 2390141 A 20020610; CA 2714119 A 20020610; CA 2841389 A 20020610; CA 2841397 A 20020610; EP 10182825 A 20020701; EP 10182828 A 20020701; EP 10182831 A 20020701; EP 10182833 A 20020701; EP 16200296 A 20020701; IL 15022602 A 20020613; IL 20115002 A 20020613; IL 20115102 A 20020613; IL 21061902 A 20020613; IL 21062002 A 20020613; IL 21062102 A 20020613; IL 21062202 A 20020613; IL 21062302 A 20020613; IL 21062402 A 20020613; IL 21062502 A 20020613; IL 21062602 A 20020613; IL 21062702 A 20020613; IL 21062802 A 20020613; IL 21062902 A 20020613; IL 21063002 A 20020613; IL 21063102 A 20020613; IL 21063202 A 20020613; IL 21063302 A 20020613; IL 21063402 A 20020613; IL 21063502 A 20020613;

IL 21063602 A 20020613; IL 21063702 A 20020613; JP 2002192771 A 20020701; JP 2007241620 A 20070918; JP 2009050273 A 20090304;  
US 201314055547 A 20131016; US 201514812254 A 20150729; US 201514812293 A 20150729; US 201514812332 A 20150729;  
US 201514812388 A 20150729; US 201514812449 A 20150729; US 201514812487 A 20150729; US 201514849993 A 20150910;  
US 201615075495 A 20160321; US 201615076063 A 20160321; US 201615285749 A 20161005; US 40311706 A 20060412;  
US 69348103 A 20031024; US 89689701 A 20010630; US 90000904 A 20040727; US 90045104 A 20040727; US 90045204 A 20040727;  
US 90045304 A 20040727; US 90045404 A 20040727; US 90045504 A 20040727; US 90256404 A 20040729; US 90256704 A 20040729;  
US 90258604 A 20040729; US 90258704 A 20040729; US 90259704 A 20040729; US 90262904 A 20040729; US 90264004 A 20040729;  
US 90264104 A 20040729; US 90268204 A 20040729